

Exhibit Name: Indemnity Calculations

Exhibit Number: P21-1, Plan 01

Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2013

Version: Approved

Release Date: 2/28/2013

| Insurance Plan Code | | 01 Yield Protection | | | | |
|---|--|-----------------------------|--------------|--------------------|---|---|
| Commodity Code | 0011 Wheat | 0021 Cotton | | 0047 Dry Beans | | 0078 SunFlowers |
| | 0015 Canola | 0041 Corn | | 0051 Grain Sorghum | | 0081 Soybeans |
| | 0018 Rice | 0043 Popcorn | | 0067 Dry Peas | | 0091 Barley |
| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| Section 1: Stage Guarantee Calculation | | | | | | |
| Guarantee Per Acre1 = Approved Yield * Coverage Level Percent | Guarantee Per Acre1 | Internal | | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. | Common Crop Insurance Policy 'production guarantee (per acre)'. |
| | Approved Yield | P11 | 46 | 99999999.99 | None | |
| | Coverage Level Percent | P14 | 34 | 9.9999 | None | |
| Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor | Modified Yield | Internal | | 99999999.99 | Round to whole number. | Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record. |
| | Approved Yield | P11 | 46 | 99999999.99 | None | |
| | Option Conversion Factor | ADM | | 9.9999 | None | Edit with ADM Option Rate, "A01060". |
| Guarantee Per Acre1 = Modified Yield * Coverage Level Percent | Guarantee Per Acre1 | Internal | | 99999999.99 | Round to whole number. | |
| | Coverage Level Percent | P14 | 34 | 9.9999 | None | |
| Guarantee Per Acre2 = Guarantee Per Acre1 * Guarantee Adjustment Factor | Guarantee Per Acre2 | Internal | | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. | |
| | Guarantee Adjustment Factor | P11 | 41 | 0.999 | None | |
| | Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount | Acre Stage Guarantee Amount | Internal | | 99999999.99 | Round to nearest dollar and cents. |
| Price Election Amount | | P11 | 49 | 9999.9999 | | Common Crop Insurance Policy 'yield protection guarantee (per acre)'. |

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| Insurance Plan Code | | | | | | |
| 01 Yield Protection | | | | | | |
| Commodity Code | | | | | | |
| 0011 Wheat | | | | | | |
| 0015 Canola | | | | | | |
| 0018 Rice | | | | | | |
| 0021 Cotton | | | | | | |
| 0041 Corn | | | | | | |
| 0043 Popcorn | | | | | | |
| 0047 Dry Beans | | | | | | |
| 0051 Grain Sorghum | | | | | | |
| 0067 Dry Peas | | | | | | |
| 0078 SunFlowers | | | | | | |
| 0081 Soybeans | | | | | | |
| 0091 Barley | | | | | | |
| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| Section 2: Loss Guarantee Calculation | | | | | | |
| Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor | Loss Guarantee Amount | P21 | 46 | 99999999.99 | Round to nearest dollar and cents. | |
| | Determined Acreage | P21 | 17 | 99999999.99 | None | |
| | Liability Adjustment Factor | P21 | 38 | 9.999999 | None | |
| Section 3: Indemnity Calculation | | | | | | |
| Revenue Conversion = Production to Count Quantity * Price Election Amount Production to Count | Revenue Conversion Production to Count | P21 | 49 | 99999999.99 | Round to nearest dollar and cents. | |
| | Production to Count Quantity | P21 | 34 | 99999999.99 | None | |
| | Price Election Amount | P11 | 49 | 9999.9999 | | |
| Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count | Unit Deficiency Quantity | P21 | 45 | \$99999999.99 | Round to nearest dollar and cents. | |
| Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent | Preliminary Indemnity Amount | P21 | 49 | \$9999999999 | Round to whole number. | |
| | Insured Share Percent | P11 | 47 | 9.999 | None | |
| Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor | Indemnity Amount | P21 | 50 | \$9999999999 | Round to whole number. | |
| | Multiple Commodity Adjustment Factor | ICE | | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". |
| Total Indemnity = ∑ Indemnity Amount for the Unit | Total Indemnity | Internal | | \$9999999999 | Round to whole number. | |
| Replant Payment for Yield Protection, "01" | | | | | | |
| Section 4: Replant Payment Stage Guarantee Calculation | | | | | | |
| When Stage Code equals Replanted, "R", | | | | | | |
| Guarantee Per Acre1 = Approved Yield * Coverage Level Percent | Guarantee Per Acre1 | Internal | | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. | Common Crop Insurance Policy 'production guarantee (per acre)'. |
| | Approved Yield | P11 | 46 | 99999999.99 | None | |
| | Coverage Level Percent | P14 | 34 | 9.9999 | None | |

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Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2013

Version: Approved

Release Date: 2/28/2013

| | | | | | | |
|--|------------------------------------|----------------------|---------------------|---------------------|---|--|
| Insurance Plan Code 01 Yield Protection | | | | | | |
| Commodity Code 0011 Wheat 0021 Cotton 0047 Dry Beans 0078 SunFlowers 0015 Canola 0041 Corn 0051 Grain Sorghum 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley | | | | | | |
| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor | Guarantee Per Acre2 | Internal | | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. | |
| | Guarantee Adjustment Factor | P11 | 75 | 0.999 | None | |
| Lesser of: Acre Stage Guarantee Amount = (20% of Guarantee Per Acre2 OR Maximum Replant Guarantee Per Acre) * Price Election Amount | Acre Stage Guarantee Amount | Internal | | 99999999.99 | Round to nearest dollar and cents. | Not used in determination of Loss Guarantee Amount |
| | Price Election Amount | P11 | 49 | 99999.9999 | None | |
| | Maximum Replant Guarantee Per Acre | ICE | | | | Edit with SPOI ICE "D00129". |
| | 20% of Guarantee Per Acre2 | Internal | | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal. | Result of '20% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '20% of Guarantee Per Acre2' should be rounded before compare to 'Maximum Replant Guarantee Per Acre'. If Unit of Measure = LBS Round(Guarantee Per Acre2 * 0.20, 0) If Unit of Measure = Tons Round(Guarantee Per Acre2 * 0.20, 2) Other Unit of Measures Round(Guarantee Per Acre2 * 0.20, 1) |
| Section 5: Replant Payment Loss Guarantee Calculation | | | | | | |
| Lesser of ((20% of Guarantee Per Acre2) or Maximum Loss Guarantee Amount = Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor | Loss Guarantee Amount | P21 | 46 | 99999999.99 | Round to nearest dollar and cents. | |
| | Determined Acreage | P21 | 17 | 99999999.99 | None | |
| | Liability Adjustment Factor | P21 | 38 | 9.999999 | None | |
| Section 6: Replant Payment Indemnity Calculation | | | | | | |
| Indemnity Amount = Loss Guarantee Amount * Insured Share Percent | Indemnity Amount | P21 | 51 | S9999999999 | Round to whole number. | |
| | Insured Share Percent | P11 | 48 | 9.999 | None | |
| Total Indemnity = ∑ Indemnity Amount for the Unit | Total Indemnity | Internal | | S9999999999 | Round to whole number. | |

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Record Code: P21

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Insurance Plan Code

01 Yield Protection

Commodity Code

0011 Wheat

0015 Canola

0018 Rice

0021 Cotton

0041 Corn

0043 Popcorn

0047 Dry Beans

0051 Grain Sorghum

0067 Dry Peas

0078 SunFlowers

0081 Soybeans

0091 Barley

CalculationsField
NameRecord
NumberField
NumberField
FormatField
RoundingRules

Prevented Planting Payment for Yield Protection, "01".

Section 7: Prevented Planting Payment Stage Guarantee Calculation

When Stage Code equals:

Prevented Planting Option 2, "P2",

Prevented Planting Add 10 Percent, "PT",

Prevented Planting Add 5 Percent, "PF"

Guarantee Per Acre1 = Approved Yield * Coverage Level Percent

Guarantee Per Acre1

Internal

99999999.99

When Unit of Measure equals Pounds, "LBS", then Round to whole Number.

When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.

Otherwise, Round to 1 decimal.

Common Crop Insurance Policy 'production guarantee (per acre)'.

Approved Yield

P11

46

99999999.99

None

Coverage Level Percent

P14

34

9.9999

None

Cottonseed Endorsement Option "SE":

Modified Yield = Approved Yield * Option Conversion Factor

Modified Yield

Internal

99999999.99

Round to whole number.

Approved Yield

P11

46

99999999.99

None

Option Conversion Factor

ADM

9.9999

None

Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.

Edit with ADM Option Rate, "A01060".

Guarantee Per Acre1 = Modified Yield * Coverage Level Percent

Guarantee Per Acre1

Internal

99999999.99

Round to whole number.

Coverage Level Percent

P14

34

9.9999

None

Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor

Guarantee Per Acre2

Internal

99999999.99

When Unit of Measure equals Pounds, "LBS", then Round to whole Number.

When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.

Otherwise, Round to 1 decimal.

Guarantee Adjustment Factor

P11

75

0.999

None

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| <u>Insurance Plan Code</u> | | 01 Yield Protection | | | | | |
|--|-------------|--------------------------------------|----------------------|---------------------|---------------------|------------------------------------|--|
| <u>Commodity Code</u> | 0011 Wheat | 0021 Cotton | | 0047 Dry Beans | | 0078 SunFlowers | |
| | 0015 Canola | 0041 Corn | | 0051 Grain Sorghum | | 0081 Soybeans | |
| | 0018 Rice | 0043 Popcorn | | 0067 Dry Peas | | 0091 Barley | |
| <u>Calculations</u> | | <u>Field Name</u> | <u>Record Number</u> | <u>Field Number</u> | <u>Field Format</u> | <u>Field Rounding</u> | <u>Rules</u> |
| Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount | | Acre Stage Guarantee Amount | Internal | | 999999999.99 | Round to nearest dollar and cents. | Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee Amount. |
| | | Price Election Amount | P11 | 49 | 99999.9999 | None | |
| Section 8: Prevented Planting Payment Loss Guarantee Calculation | | | | | | | |
| Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor | | Loss Guarantee Amount | P21 | 46 | 99999999.99 | Round to nearest dollar and cents. | |
| | | Determined Acreage | P21 | 17 | 99999999.99 | None | |
| | | Liability Adjustment Factor | P21 | 38 | 9.999999 | None | |
| Section 9: Prevented Planting Payment Indemnity Calculation | | | | | | | |
| Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent | | Preliminary Indemnity Amount | P21 | 49 | \$9999999999 | Round to whole number. | |
| | | Insured Share Percent | P11 | 47 | 9.999 | None | |
| Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor | | Indemnity Amount | P21 | 50 | \$9999999999 | Round to whole number. | |
| | | Multiple Commodity Adjustment Factor | ICE | | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". |
| Total Indemnity = Indemnity Amount for the Unit | | Total Indemnity | Internal | | \$9999999999 | Round to whole number. | |
| Malting Barley Price and Quality Endorsement (Options MA and MB) | | | | | | | |
| Section 10: Malting Barley Stage Guarantee Calculation | | | | | | | |
| Guarantee Per Acre1 = Approved Yield * Coverage Level Percent | | Guarantee Per Acre1 | Internal | | 999999999.9 | Round to 1 decimal. | |
| | | Approved Yield | P11 | 46 | 99999999.99 | None | Common Crop Insurance Policy |
| | | Coverage Level Percent | P14 | 34 | 9.9999 | None | |
| Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor | | Guarantee Per Acre2 | Internal | | 99999999.99 | Round to 1 decimal. | |
| | | Guarantee Adjustment Factor | P11 | 75 | 0.999 | None | |
| Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount | | Acre Stage Guarantee Amount | Internal | | 999999999.99 | Round to dollar and Cents | Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee. |
| | | Price Election Amount | P11 | 49 | 99999.9999 | None | |

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| | | | | | | |
|--|--|----------------------|---------------------|---------------------|------------------------------------|--|
| Insurance Plan Code | | | | | | |
| 01 Yield Protection | | | | | | |
| Commodity Code | 0011 Wheat | 0021 Cotton | 0047 Dry Beans | 0078 SunFlowers | | |
| | 0015 Canola | 0041 Corn | 0051 Grain Sorghum | 0081 Soybeans | | |
| | 0018 Rice | 0043 Popcorn | 0067 Dry Peas | 0091 Barley | | |
| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| Section 11: Malting Barley Loss Guarantee Calculation | | | | | | |
| Loss Guarantee Amount = Guarantee Per Acre ² * Price Election Amount * Determined Acreage * Liability Adjustment Factor | Loss Guarantee Amount | P21 | 46 | 99999999.99 | Round to nearest dollar and cents. | |
| | Determined Acreage | P21 | 17 | 99999999.99 | None | |
| | Liability Adjustment Factor | P21 | 38 | 9.999999 | None | |
| Section 12: Malting Barley Indemnity Calculation | | | | | | |
| Revenue Conversion Production To Count = Production to Count Quantity * Price Election Amount | Revenue Conversion Production To Count | P21 | 43 | 99999999.99 | Round to nearest dollar and cents. | |
| | Production to Count Quantity | P21 | 34 | 99999999.99 | None | |
| | Price Election Amount | P11 | 49 | 99999.9999 | None | |
| Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count | Unit Deficiency Quantity | P21 | 45 | \$99999999.99 | Round to nearest dollar and cents. | |
| Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent | Preliminary Indemnity Amount | P21 | 49 | \$9999999999 | Round to whole number. | |
| | Insured Share Percent | P11 | 47 | 9.999 | None | |
| Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor | Indemnity Amount | P21 | 50 | \$9999999999 | Round to whole number | |
| | Multiple Commodity Adjustment Factor | ICE | | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". |
| Total Indemnity = Σ Indemnity Amount for the Unit | Total Indemnity | Internal | | \$9999999999 | Round to whole number. | |

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Insurance Plan Code

01 Yield Protection

Commodity Code

0011 Wheat

0015 Canola

0018 Rice

0021 Cotton

0041 Corn

0043 Popcorn

0047 Dry Beans

0051 Grain Sorghum

0067 Dry Peas

0078 SunFlowers

0081 Soybeans

0091 Barley

CalculationsField
NameRecord
NumberField
NumberField
FormatField
RoundingRules

Downed Rice Payment, option "DC", for Yield Protection, "01", Stage Code = "DQ".

If Determined Acreage is <= Insured Acreage10 then no payment;
if Determined Acreage is > Insured Acreage10 and < Insured Acreage50 then payment with deductible;
if Determined Acreage is => Insured Acreage50 then payment without deductible.

Section 13: Downed Rice Payment Loss Guarantee Calculation

| | | | | | | |
|---|-----------------------------|----------|----|-------------|------------------------------------|--|
| Insured Acreage10 = Reported Acreage * 10% | Insured Acreage10 | Internal | | 99999999.99 | Round to 1 decimal. | |
| | Reported Acreage | P11 | 51 | 9999999.99 | None | Summed P11 DRE reported acreage for the unit. |
| Insured Acreage50 = Reported Acreage * 50% | Insured Acreage50 | Internal | | 99999999.99 | Round to 1 decimal. | |
| | Reported Acreage | P11 | 51 | 9999999.99 | None | Summed P11 DRE reported acreage for the unit. |
| Determined Acreage = Harvested Downed Rice Acreage | Determined Acreage | P21 | 17 | 99999999.99 | None | Harvested Downed Rice Acreage |
| Payable Downed Rice Acreage = With deductible: round(Determined Acreage - Insured Acreage10,1) * 1.25 OR Without deductible: Determined Acreage | Payable Downed Rice Acreage | Internal | | 99999999.99 | Round to 1 decimal. | This will be the determined payable downed rice acres for the unit. |
| Loss Guarantee Amount = Payable Downed Rice Acreage * Harvest Expense Amount * Price Election Percent | Loss Guarantee Amount | P21 | 50 | 99999999.99 | Round to nearest dollar and cents. | |
| | Harvest Expense Amount | ADM | | 99999 | None | Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'. |
| | Price Election Percent | P14 | 35 | 9.9999 | None | |

Section 14: Downed Rice Payment Indemnity Calculation

| | | | | | | |
|--|-----------------------|----------|----|--------------|------------------------|---|
| Indemnity Amount = Loss Guarantee Amount * Insured Share Percent | Indemnity Amount | P21 | 53 | \$9999999999 | Round to whole number. | |
| | Insured Share Percent | P11 | 46 | 9.999 | None | |
| Total Indemnity ∑ Indemnity Amount for the Unit | Total Indemnity | Internal | | \$9999999999 | Round to whole number. | Only Downed Rice records, no base Rice records. |